City of Burien, Electrify Burien Rebate Program

Rapidly Advance A Sustainable Future!

Campaign Presentation

Partnered with Sustainability Ambassadors



Burien

Who We Are

A youth-led program, we work all across King County to rapidly advance a sustainable future.

Meet our Ambassadors for the City of Burien!

The JJ Team!



John (he/him)



Julian (he/him)

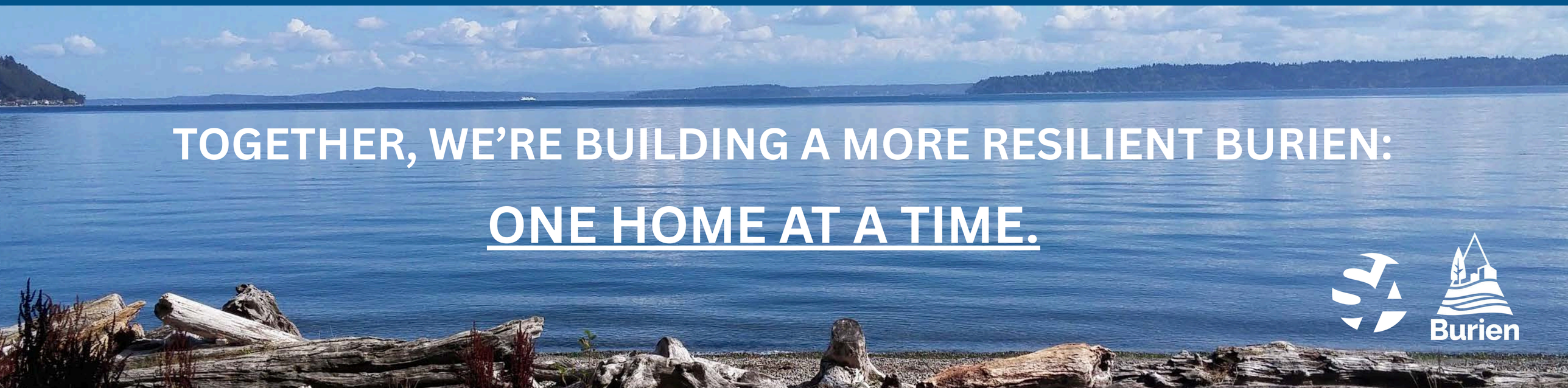
SNAP!

Burien Sustainable Neighborhood Ambassador Program

1. Support the Burien Climate Action Plan by focusing on the areas most affected by climate change.

2. Empower youth through hands-on, real-world learning experiences that not only connect them to sustainability and climate solutions but also create pathways to explore green careers and build essential skills for the future.

3. Foster youth leadership, civic engagement, and a strong sense of belonging in our community.



What is Sustainability?

Burien

Sustainability means meeting the needs of today without compromising the ability of future generations to meet theirs.

Burien

It’s about building a relationship with the Earth that is not only efficient and thoughtful, but also respectful and reciprocal.

Sustainability is a continuous commitment woven into every part of our lives.





Burien

Why Sustainability Matters

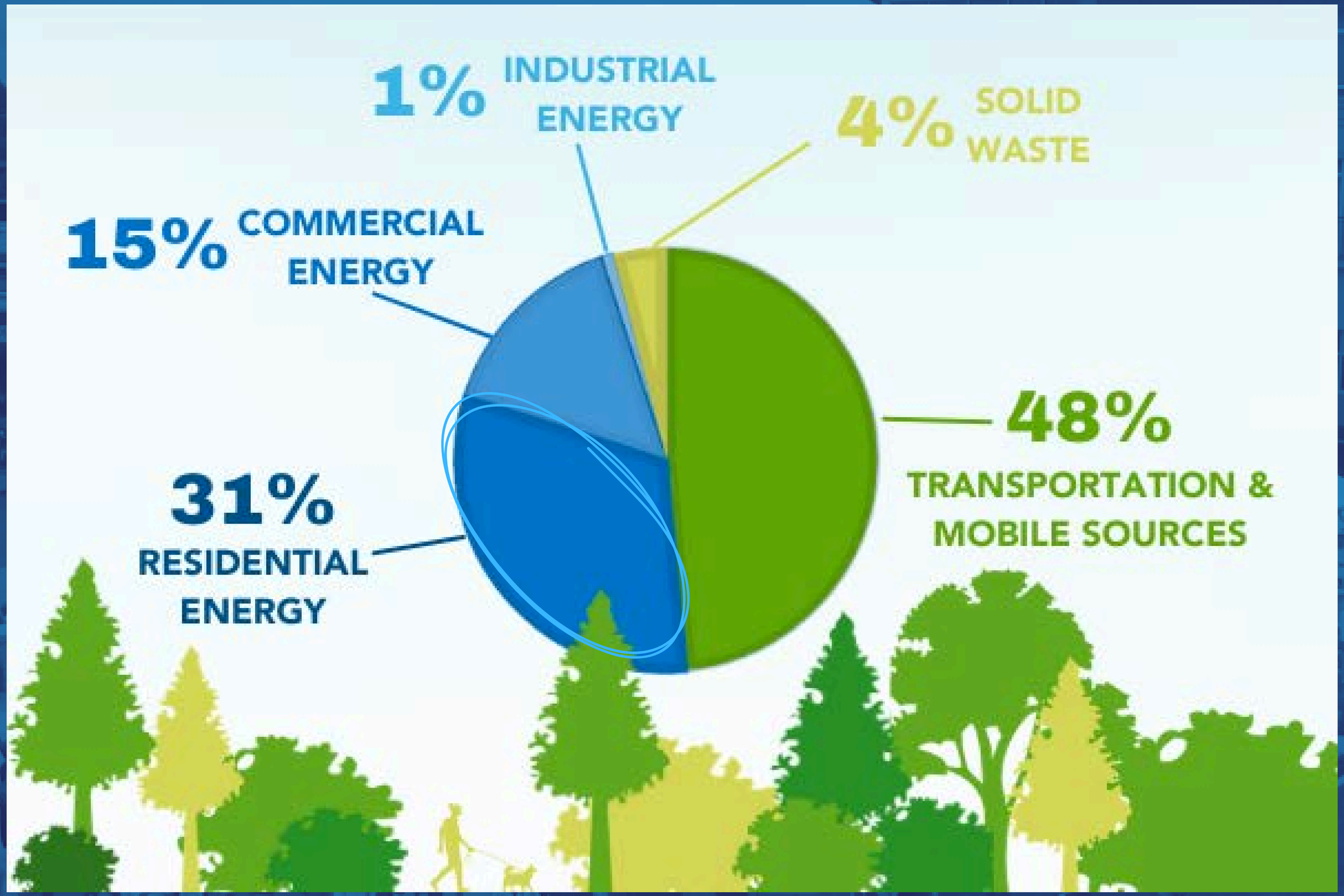
The City of Burien City Council established a Climate Action Plan, adopted on November 15th, 2021.

1. Reduce greenhouse gas emissions and reach carbon neutrality by 2050 and;

2. Increase the ability to adapt to future climate impacts

Burien

Burien's Carbon Footprint



(Burien's Climate Action Plan, 2021)

Why Sustainability Matters



Combined with businesses, city departments, and community leaders, we can create collective impact that supports a sustainable future!



But what does that mean for YOU?

Electrifying your own home contributes to this collective impact!



It leads to cleaner air, lower energy costs, and a more reliable future for everyone!



Burien

Climate Action Plan!

Page 35....

B-2.1.1	Evaluate and assess the barriers and challenges homeowners face in shifting to renewable energy sources. Based on the results of the assessment, begin to support projects that bring renewable energy to Burien, such as the development of community solar projects that benefit all residents, particularly communities of color, low-income populations, and members of limited-English-speaking communities (e.g. Spark Northwest).

(Burien's Climate Action Plan, 2021)

Burien

ELECTRIFY BURIEN Campaign

1. Engage peers, parents, teachers, and communities on home energy conservation strategies.

2. Promote a mini-grant program for supporting homeowners and landlords to reduce gas usage and increase home electrification.

3. Integrate classroom and workshop learning opportunities that advance Burien's Climate Action Plan.



Burien

Introducing the...
Electrify Burien Rebate Program!

- **Heat Pumps**
- **Weatherization Bundle**
  (Insulation, Smart Thermostat, & Weatherstripping)
- **Electrical Appliances**
- **Electrical Panel Upgrade**
- **Double-Pane Windows**

Burien

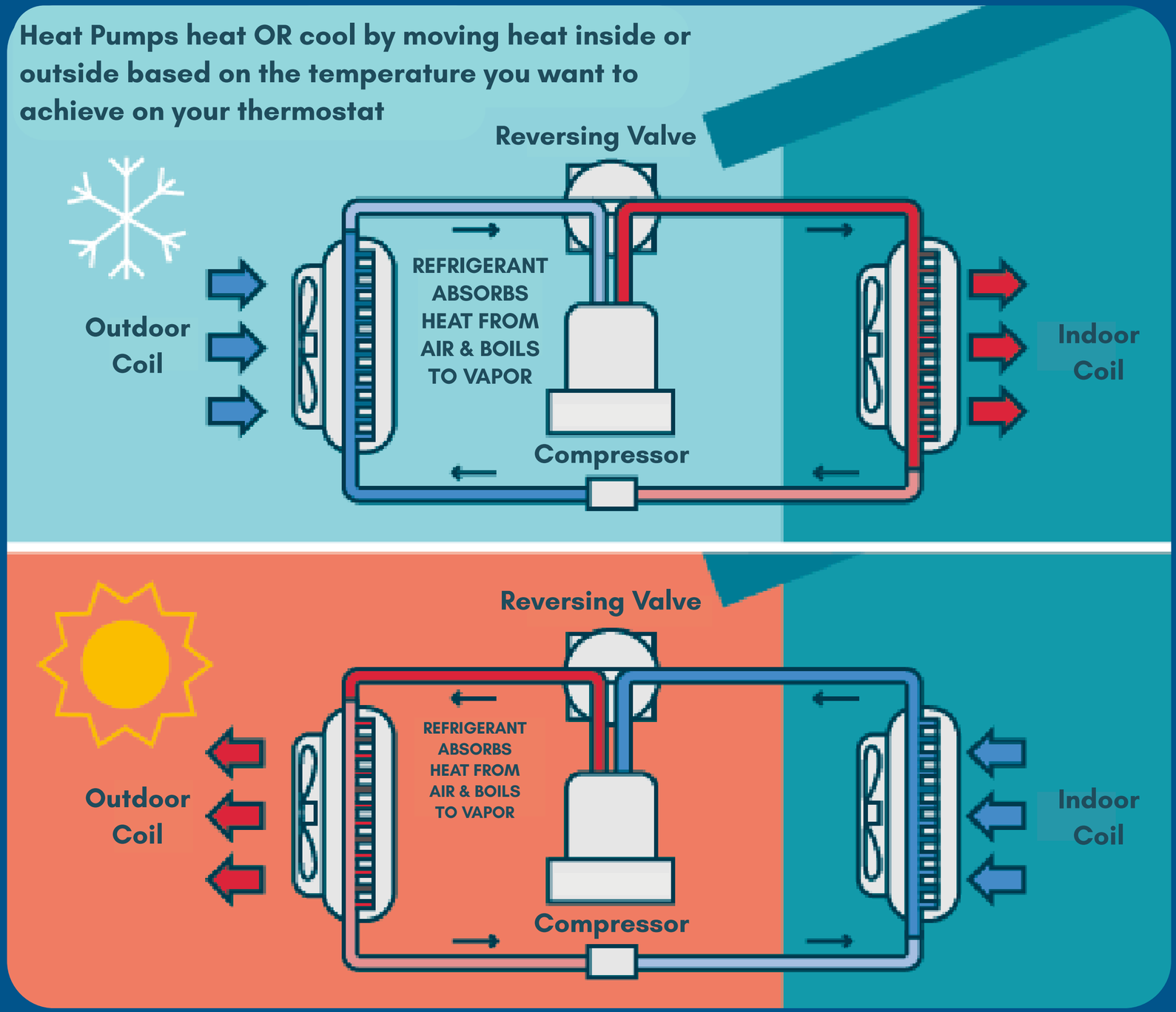
UP TO $2,500 REBATE!!!

Applicable to pre-approved installers, and after the project is completed within your household.

This program is not exclusive! Stack with other rebates from other programs!

Project Types

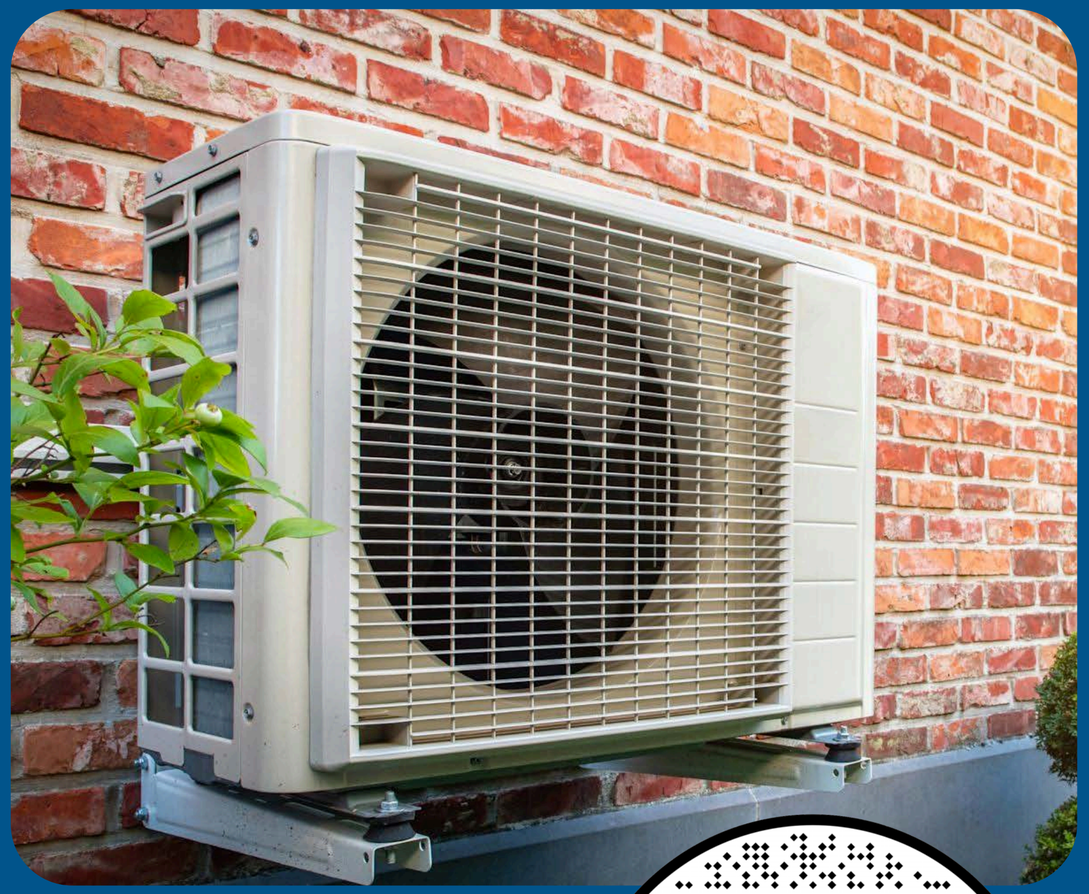
How Do Heat Pumps Work?



A heat pump moves heat from one place to another, instead of generating it. It works by using a refrigerant to absorb heat from a source (like the outside air or ground) and then release that heat indoors, or vice versa for cooling. Essentially, it's like a refrigerator in reverse!

Project Type: Heat Pumps

Looking to cut energy costs and reduce your carbon footprint? Learn about household energy-saving projects eligible for rebates through our Energy Conservation Rebate Program.



Reimbursement: Up to $2,500

Upgrade to high-efficiency comfort with our Heat Pump! This package features the installation of an energy-efficient heat pump system that provides both heating and cooling using less energy than traditional systems. By transferring heat instead of generating it, heat pumps deliver year-round indoor comfort while lowering your utility bills and reducing greenhouse gas emissions.

- HEAT PUMPS ARE KNOWN TO HAVE A LONG OPERATIONAL LIFE (15-20 YEARS!) WITH PROPER MAINTENANCE.
- DUAL FUNCTIONALITY! - HEAT PUMPS ACT AS BOTH YOUR COOLER AND HEATER: VERSATILE POWERHOUSE IN ONE
- ENERGY EFFICIENT - HEAT PUMPS TODAY CAN REDUCE YOUR ELECTRICITY USE FOR HEATING BY UP TO 75%
- ENERGY STAR APPROVED!

APPLY HERE!

burienwa.gov/ElectrifyBurien

Email us at: environment@burienwa.gov

REBATES ARE ONLY QUALIFIED FOR PRE-APPROVED INSTALLERS.

Heat Pump Resources

Check out these free resources to better understand what this project type entails, and what it can do for YOU and YOUR HOUSE!

FREE RESOURCES BELOW:

Energy Smart Eastside - Heat Pumps 101

What are Heat Pumps? (Video)

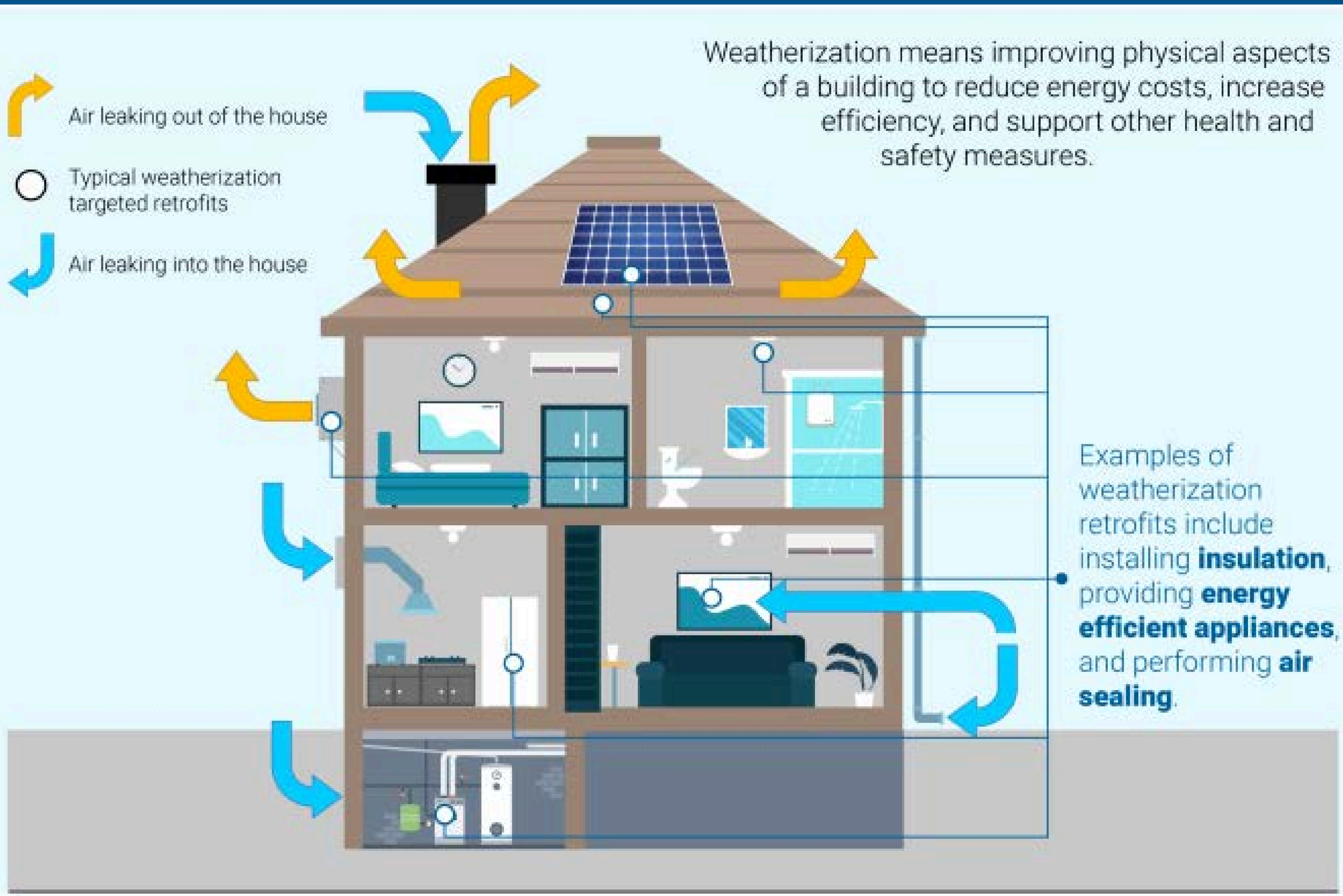
How does a Heat Pump work? (Video)

How Does Weatherstripping Work?



Weather stripping seals the small gaps around doors and windows to block air and moisture from getting in or out. By doing this, it helps keep indoor temperatures steady, lowers energy use, and makes your home more comfortable by cutting down on drafts, dust, and outside noise.

How Does Weatherstripping Work?



How Does A Smart Thermostat Work?

What are smart thermostats, and how do they work?

Smart thermostats are devices that allow you to manage your home's temperature remotely, schedule and automatically adjust temperature settings, and may be able to provide data on your energy usage.



You set the temperature from a smart device.

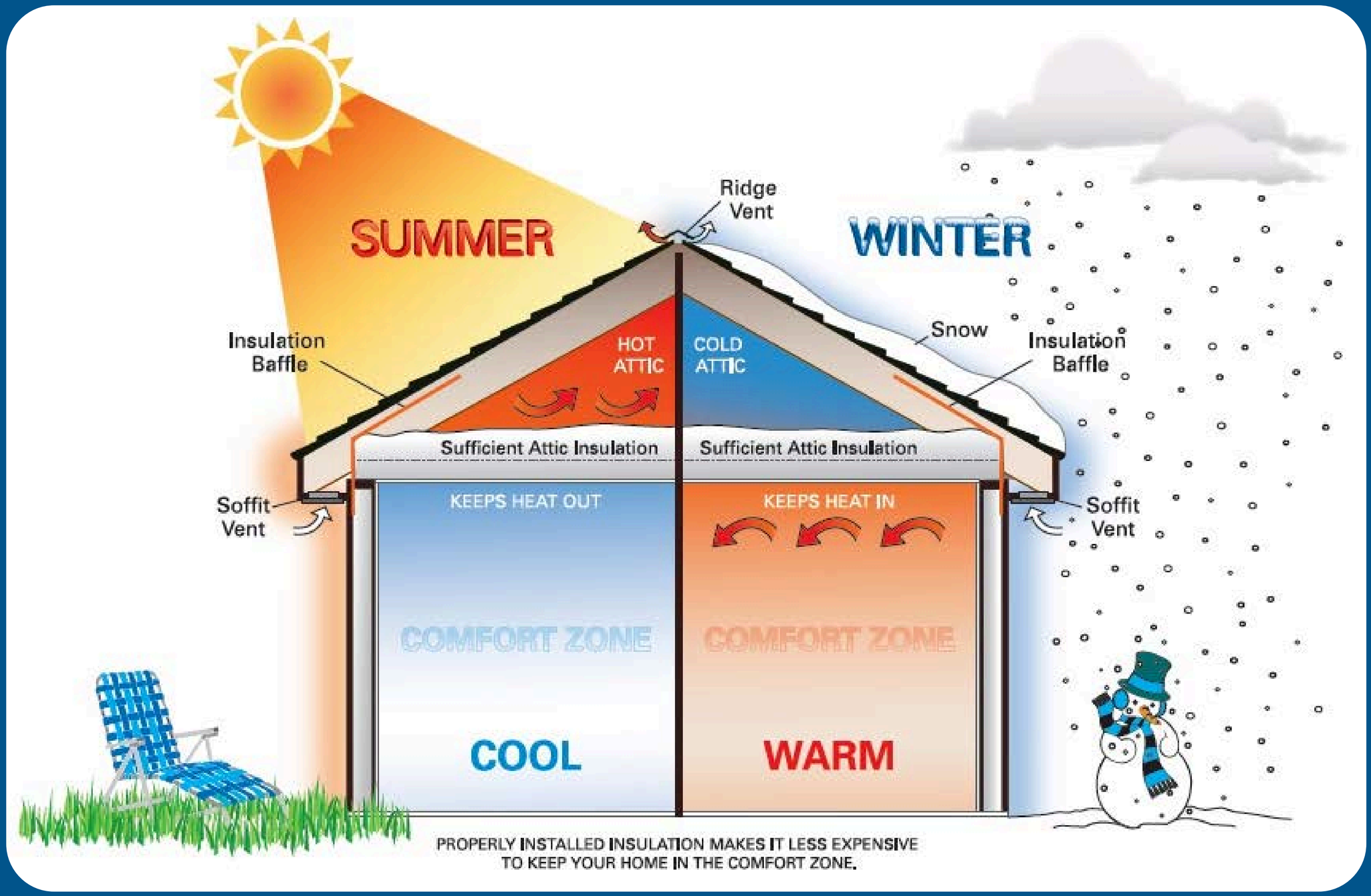
A command is sent by Wi-Fi to the smart thermostat.

The thermostat adjusts your HVAC system.



How Does Insulation Work?

How Does Insulation Work?



Insulation helps regulate temperature by reducing how quickly heat moves through your home. This is done whether through solid materials, air movement, or radiant energy. It acts as a protective layer that keeps warmth inside during the winter and blocks heat out during the Summer.

Project Type: Weatherization Bundle

Looking to cut energy costs and reduce your carbon footprint? Learn about energy-saving projects eligible for rebates through our [Energy Conservation Rebate Program.]

Reimbursement: Up to $2,500

This project type includes insulation upgrades, weather-stripping to seal air leaks, and a smart thermostat to help you better control indoor temperatures year-round. Together, these improvements reduce energy waste, lower utility bills, and keep your home cozy in every season.



- WEATHERSTIRPPING REDUCES HEATING AND COOLING COSTS BY MORE THAN 20%
- SPECIFIC MATERIALS USED FOR INSULATION CAN HELP REDUCE GREENHOUSE EMISSIONS BY 40%
- SMART THERMOSTATS CAN SAVE YOU UP TO $131 - $145 DOLLARS ANNUALLY FOR YOUR ENERGY BILL

APPLY HERE!

Burien

PRIVACY.FLOWCODE.COM

burienwa.gov/ElectrifyBurien

Email us at: environment@burienwa.gov

REBATES ARE ONLY QUALIFIED FOR PRE-APPROVED INSTALLERS.

Weatherization Resources

Check out these free resources to better understand what this project type entails, and what it can do for YOU and YOUR HOUSE!

LEARN ABOUT WEATHERIZATION!

Department of Energy Weatherstripping

LEARN ABOUT INSULATION!

Department of Energy Insulation

LEARN ABOUT SMART THERMOSTAT!

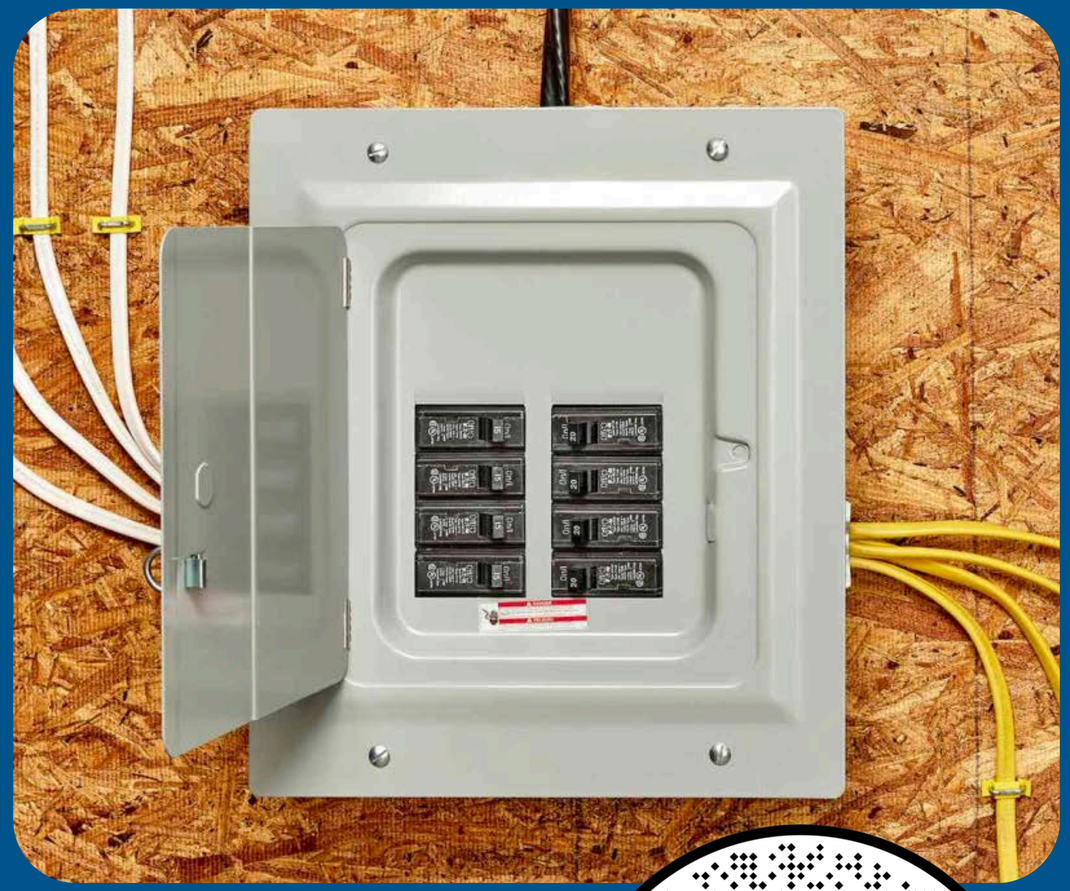
Fighting Climate Change with your Thermostat

Project Type: Electrical Panel Upgrade

Looking to cut energy costs and reduce your carbon footprint? Learn about energy-saving projects eligible for rebates through our [Energy Conservation Rebate Program.]

Reimbursement: Up to $2,500

Prepare your home for the future with an electrical panel upgrade. This upgrade replaces outdated or undersized panels with modern, higher-capacity systems, making it easier to support electric appliances, EV chargers, solar panels, and heat pumps. A new panel improves safety, increases your home's electrical capacity, and ensures you're ready for clean energy upgrades.



- PRE-WIRE YOUR HOME, INCREASE YOUR ENERGY CAPACITY ALL AT ONCE!
- IMPROVE SAFETY! OLDER PANELS MAY BE UNDERSIZED, PRONE TO OVERHEATING, OR LACK MODERN SAFETY FEATURES.
- FUTURE-PROOF YOUR HOUSE, HELP BETTER TRANSITION TO A FULL ELECTRICAL HOME!

APPLY HERE!

burienwa.gov/ElectrifyBurien

Email us at: environment@burienwa.gov

REBATES ARE ONLY QUALIFIED FOR PRE-APPROVED INSTALLERS.

Electrical Panel Resources

Check out these free resources to better understand what this project type entails, and what it can do for YOU and YOUR HOUSE!

FREE RESOURCES BELOW:

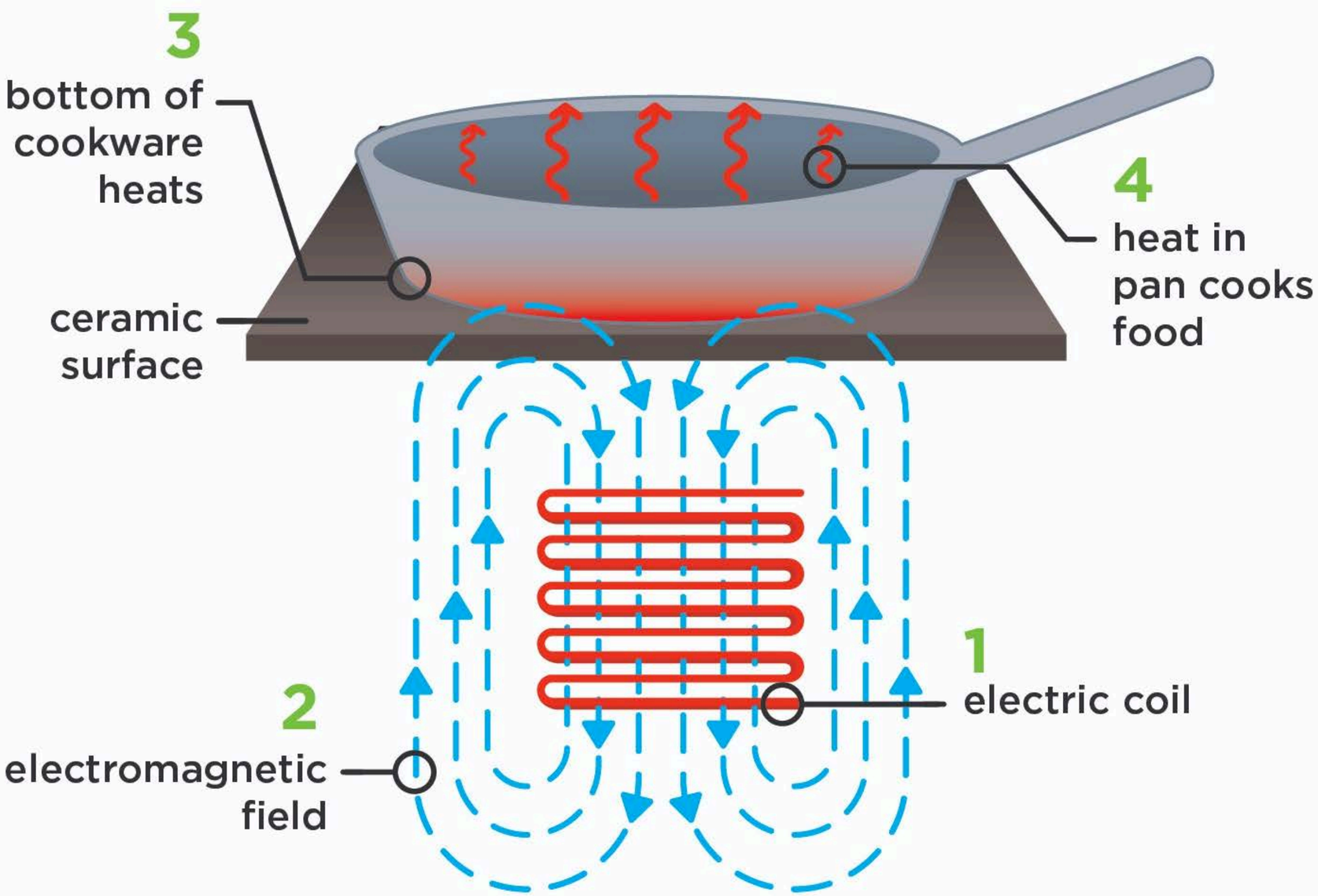
Rewiring America: How to Rewire your Home for Electrification

Rewiring America: Pro's & Con's to Rewiring your Home for Electrification

Main Electrical Panel Explained (Video)

Why your Electrical Panel Upgrade = Less Fossil Fuels!

How Does Induction Stoves Work?



Induction stoves use magnetic fields to heat pots and pans directly, making them faster and more efficient than gas or traditional electric stoves. Beneath the surface, a copper coil creates a magnetic field when electricity flows through it. When a magnetic pan is placed on the cooktop, the field generates electric currents in the pan itself, causing it to heat up and cook the food.

How Does Induction Stoves Work?

Certain materials are needed for induction stoves to work:

Ferromagnetic – Materials that exhibit strong attraction to magnets and can be magnetized themselves

FERROMAGNETIC MATERIALS



ENAMELED CAST IRON & REGULAR CAST IRON



STAINLESS STEEL



CARBON STEEL

NON-FERROMAGNETIC MATERIALS

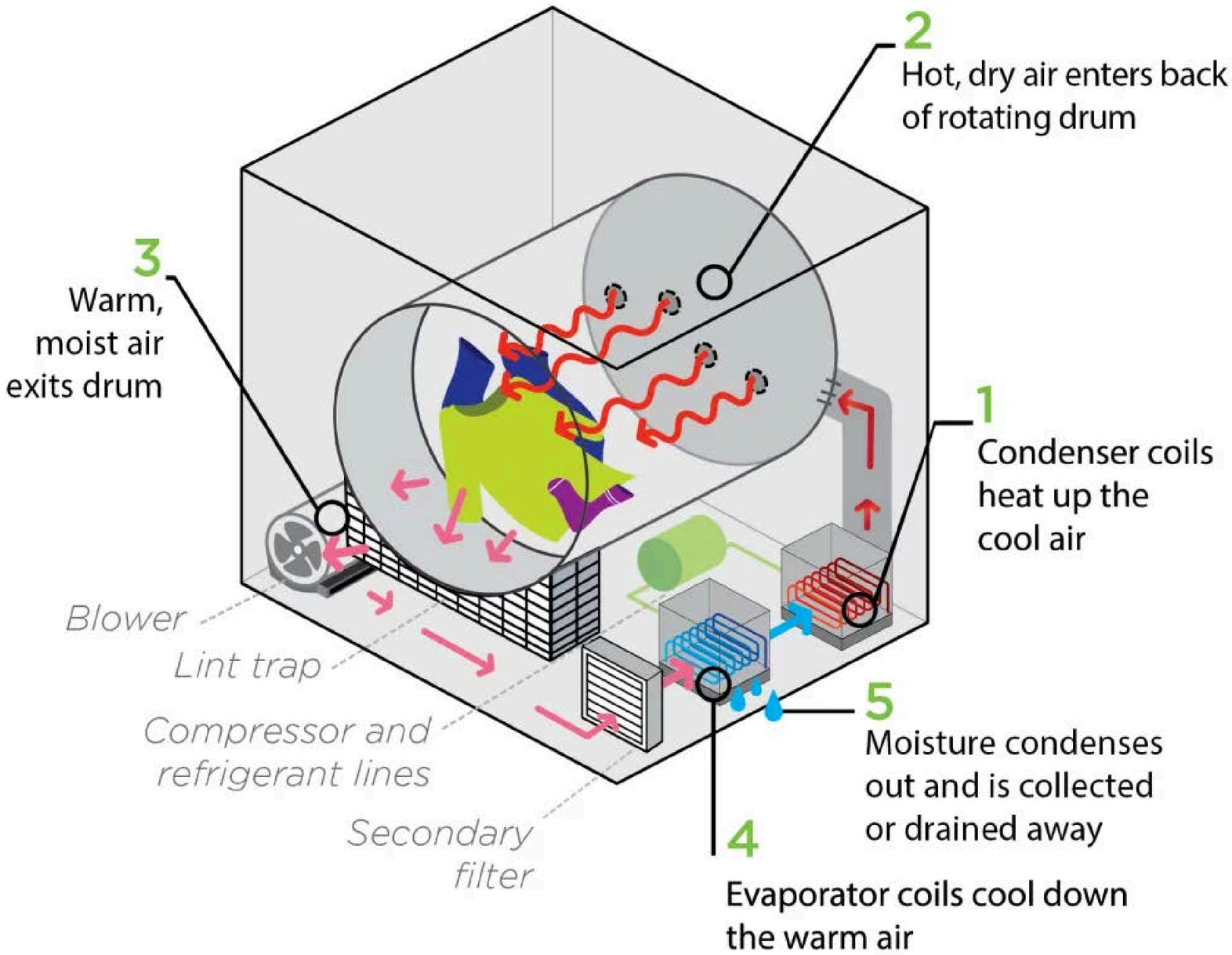
ALUMINUM

COPPER

GLASS

CERAMIC

How Does A Heat Pump Dryer Work?



Heat pump dryers are more energy-efficient than traditional dryers because they reuse warm air in a closed-loop system. They heat air to remove moisture from clothes, then cool the air to collect the moisture as condensation. The same air is then reheated and circulated back through the system, allowing for continuous drying with less energy use.

Project Type: Electrical Appliances

Looking to cut energy costs and reduce your carbon footprint? Learn about energy-saving projects eligible for rebates through our [Energy Conservation Rebate Program.]

Reimbursement: Up to $2,500

Modernize your home with energy-saving upgrades through Electrical Appliances. This package include electric appliances, such as induction cooktops, and high-efficiency washers and dryers. These appliances use less energy and water than standard models, helping you cut utility costs while reducing your home's carbon footprint.



- KEEP YOUR KITCHEN COOLER THIS SUMMER. INDUCTION STOVES ARE UP TO 90% ENERGY EFFICIENT—COMPARED TO 74% FOR ELECTRIC AND JUST 40% FOR GAS.
- LOWER UTILITY BILLS. USE HEAT PUMP DRYERS TO BE 50% MORE ENERGY EFFICIENT!
- WORRY LESS WITH WASHER/HEATER COMBO. REDUCING HUMIDITY, HEALTH RISKS, AND WEAR & TEAR ON YOUR CLOTHES

APPLY HERE!

[burienwa.gov/ElectrifyBurien]

Email us at: environment@burienwa.gov

REBATES ARE ONLY QUALIFIED FOR PRE-APPROVED INSTALLERS.

Electrical Appliances Resources

Check out these free resources to better understand what this project type entails, and what it can do for YOU and YOUR HOUSE!

LEARN ABOUT HEAT PUMP DRYERS

Energy Smart Heat Pump Dryer (Video)

Heat Pump vs. Condenser Dryer

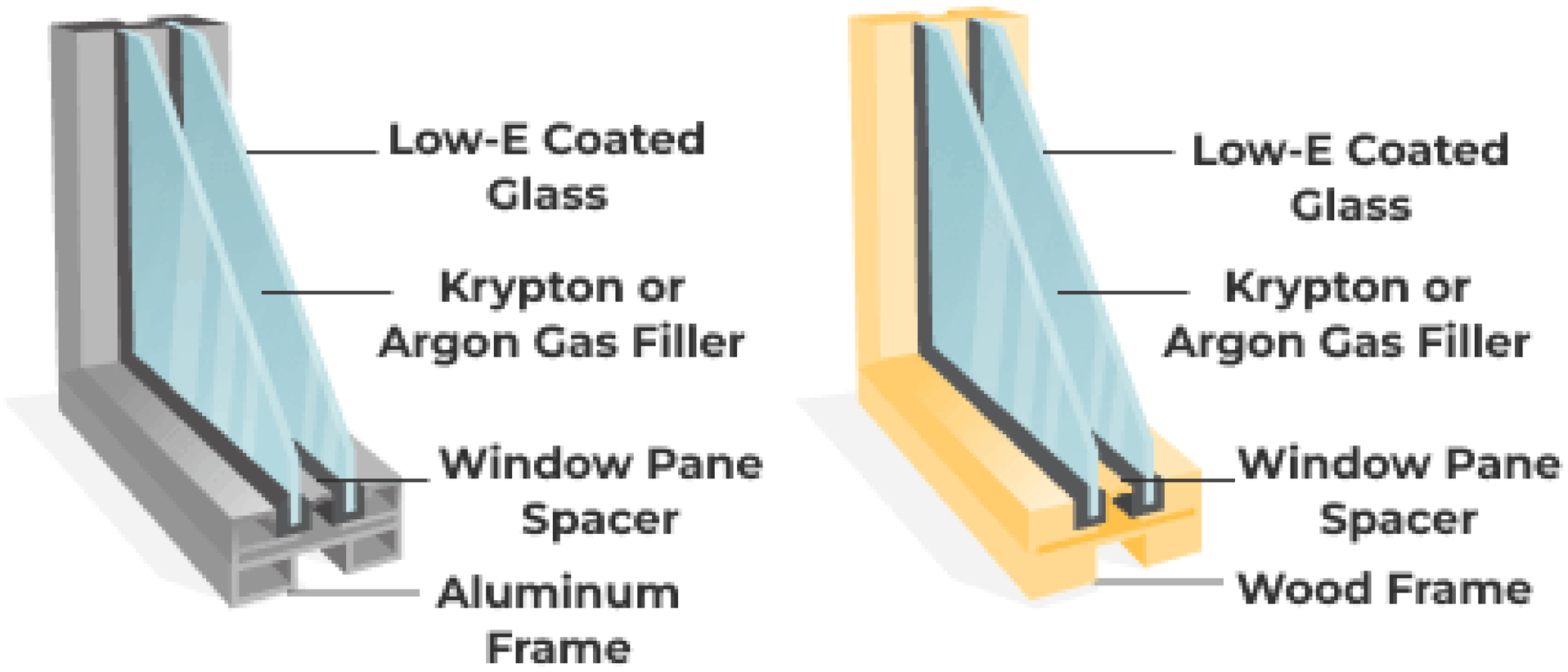
LEARN ABOUT INDUCTION COOKTOPS

Rewiring America: Induction vs Gas Stoves

Rewiring America: Induction vs. Electric Stoves

How Does A Double-Pane Window Work?

Double Pane Windows



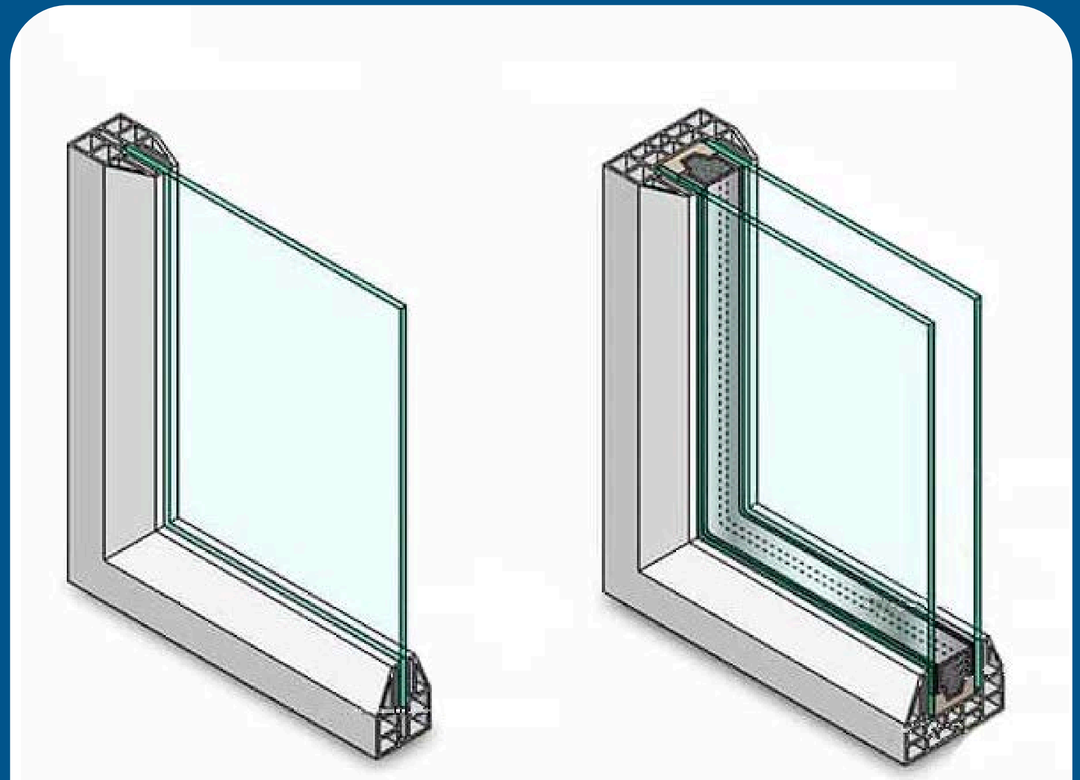
Double-pane windows are made up of two layers of glass with a sealed gap between them, often filled with air or an insulating gas like argon or krypton. This sealed space is what helps reduce heat transfer and improves insulation.

Project Type: Double-Pane Windows

Looking to cut energy costs and reduce your carbon footprint? Learn about energy-saving projects eligible for rebates through our [Energy Conservation Rebate Program.]

Reimbursement: Up to $2,500

Enhance your home's energy efficiency and comfort with our Double-Pane Windows. These modern, insulated windows reduce heat loss in winter and heat gain in summer, helping to maintain a consistent indoor temperature year-round. They also cut down on outside noise and lower your energy bills, all while improving your home's curb appeal and value.



- REDUCE HEAT AND DRAFTS, RESULTING IN MORE COMFORT AND STABLE TEMPERATURES IN YOUR HOME.
- SAVE AN AVERAGE OF 12% ON YOUR ENERGY UTILITY BILLS!
- NOISY NEIGHBORS? REDUCE NOISE BY 50% IN URBAN AREAS!

APPLY HERE!

burienwa.gov/ElectrifyBurien

Email us at: environment@burienwa.gov

REBATES ARE ONLY QUALIFIED FOR PRE-APPROVED INSTALLERS.

Double-Pane Resources

Check out these free resources to better understand what this project type entails, and what it can do for YOU and YOUR HOUSE!

FREE RESOURCES BELOW:

Everything you need to know about Dual Pane Glass

GreenMatch UK: What is Double Pane Glass?

Ultimate Guide to Double-Pane Windows

Thank You!

Any Questions?